

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **02-145511**

(43)Date of publication of application : **05.06.1990**

(51)Int.CI.

A61K 9/06

A61K 31/35

A61K 35/78

A61K 47/26

(21)Application number : **63-298334**

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(22)Date of filing : **28.11.1988**

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(54) OPHTHALMIC ULTRAVIOLET ABSORPTIVE EMOLLIENT

(57)Abstract:

PURPOSE: To obtain an ophthalmic medicine for protecting eye retina from ultraviolet light, comprising an aqueous gel containing an aloe vera chromophore emollient and ethylene-maleic acid anhydride polymer for gel formation by forming a UV absorption spectrum equilibrium between the tear film and epithelium of the cornea of the eye.

CONSTITUTION: This ophthalmic medicine comprises a water-soluble gel having 40,000 to 300,000cPs (preferably 90,000 to 150,000cPs) viscosity and containing 4-6wt.% of both of the aloe vera chromophore emollient and ethylene-maleic acid anhydride polymer having $\geq 1,000,000$ (preferably 1,000,000 to 6,000,000) molecular weight. It is possible to alleviate mucous membrane after corneal transplantation and protect the eye retina from ultraviolet lights B and C for a long time by administering the medicine in the eye and treatment of corneal ulcer can be carried out by irradiating eye with ultraviolet light in the presence of the medicine.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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